

Flicker Relay

KFA-13A



■ Features

- Used for the annunciator KFA-37 and KFA-88/98 series.
- Plug-in installation.
- Each output contact (1N.O. and 1N.C.) can be independently connected to each lamp.
- The 8-pin plugs are compact and lightweight, making maintenance and inspections much easier.
- Crystal oscillation circuit with a built-in constant-voltage power supply prevents fluctuations and provides reliable operations.
- The period of ON time and OFF time is the same.
- Relay and other electrical components are mounted on the PC board, and covered by a metal case.
- Fasten by inserting the 8-pin plug into the socket.
- Remove the plug from the socket when replacing the flicker relay.

■ Model Designation

KFA - 13A ※1

Rated Voltage
Model Name

※1

Code	Rated Voltage
4	24V AC/DC, 48V AC/DC
7	100/110V AC/DC, 200/220V AC/DC
X	100/110V AC/DC, 115/125V AC/DC



NOTICE

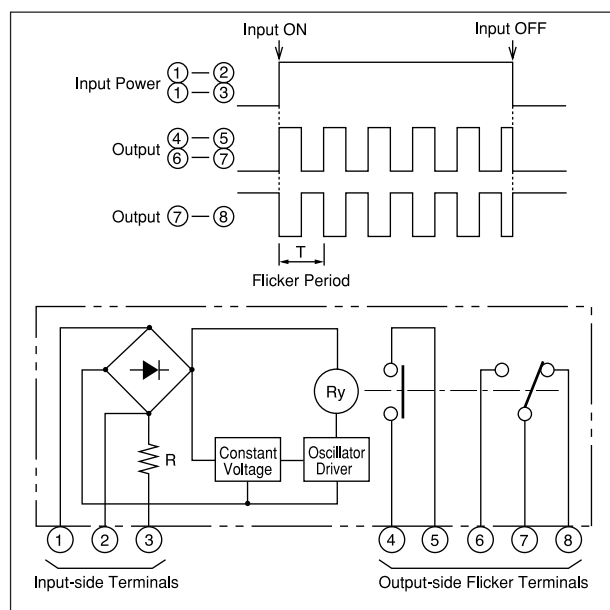
- Turn the power OFF before removing the flicker relay.

■ Specifications

Operation Rated Voltage			24V (① - ②) 48V (① - ③) Dual Rating	100/110 (① - ②) 200/220 (① - ③)	100/110 (① - ②) 115/125 (① - ③)
Frequency			AC 50/60Hz and DC		
Power Consumption			Between ① - ② Max. 1.8W, Between ① - ③ Max. 3.6W		
Flicker Cycle (sec.)			0.55 ±10%		
Contact Type			1 N.O. and 1 N.C.		
Continuous Current			5A		
Contact	Lamp Load	DC rating	18~125V Max. 40W		
Rating	Rating	AC rating	220V: 1A	110V: 1.5A	48V: 2A 24V: 3A
Voltage Range			90~110% of the rated voltage		
Withstand Voltage			2000V AC for 1 minute between collective electrical circuits/sockets and case		
Insulation Resistance			50MΩ or more between electrical circuits/sockets and case by 500V DC megohmmeter		
Life	Mechanical		More than 5 million times		
	Electrical		More than 500 thousnad times		
Operating Environment			Temperature: -10~40°C, Humidity: 45~85%RH (No freezing or condensation)		

■ Operating Principle

The diagram on the right shows the flicker relay circuit diagram. This diagram consists of an input rectification bridge, constant-voltage power supply, oscillator, driver, and output relay. The bridge rectifies current and feeds it to the constant-voltage supply and output relay. The power supply then releases low voltage DC. The oscillator generates signals according to the IC and crystal oscillator, which triggers the driver circuit to turn the output relay ON/OFF.



■ Weight

250g